

CLAIMS

1. Mechanical loom comprising a warp beam (1), the
said mechanical loom moving a warp thread (3) or a warp
5 thread group with a drawing action, the warp thread (3)
being drawn from a thread store, characterized in that
the warp thread (3) is guided, downstream of the thread
store, via a deflecting roller (4) formed as a
measuring roller, the said measuring roller detecting
10 the thread tension prevailing there and influencing the
warp beam drive (2) in dependence thereon.
2. Mechanical loom according to Claim 1 or in
particular according thereto, characterized in that the
15 deflecting roller (4) is equipped with a force
measurement bearing which delivers a signal (S)
corresponding to the measured force.
3. Mechanical loom according to one or more of the
20 preceding claims or in particular according thereto,
characterized in that a control unit (6) is provided,
which processes the signal (S) delivered by the
deflecting roller (4) or the force measurement bearing
and converts it into control pulses (I) for the warp
25 beam drive (2).
4. Mechanical loom according to one or more of the
preceding claims or in particular according thereto,
characterized in that a desired thread tension can be
30 set at the control unit (6).
5. Mechanical loom according to one or more of the
preceding claims or in particular according thereto,
characterized in that the deflecting roller (4) is
35 preceded and/or followed by a guide roller (5) on the
draw-in side and/or the draw-off side.

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6. Mechanical loom according to one or more of the preceding claims or in particular according thereto, characterized in that a length compensation device (7) is provided downstream of the deflecting roller (4).

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7. Mechanical loom according to one or more of the preceding claims or in particular according thereto, characterized in that the length compensation device (7) is a jockey device (8).

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8. Mechanical loom according to one or more of the preceding claims or in particular according thereto, characterized in that the length compensation device (7) is a spring compensation roller (9).